



Making Sense of Chinese Energy Statistics

Trevor Houser

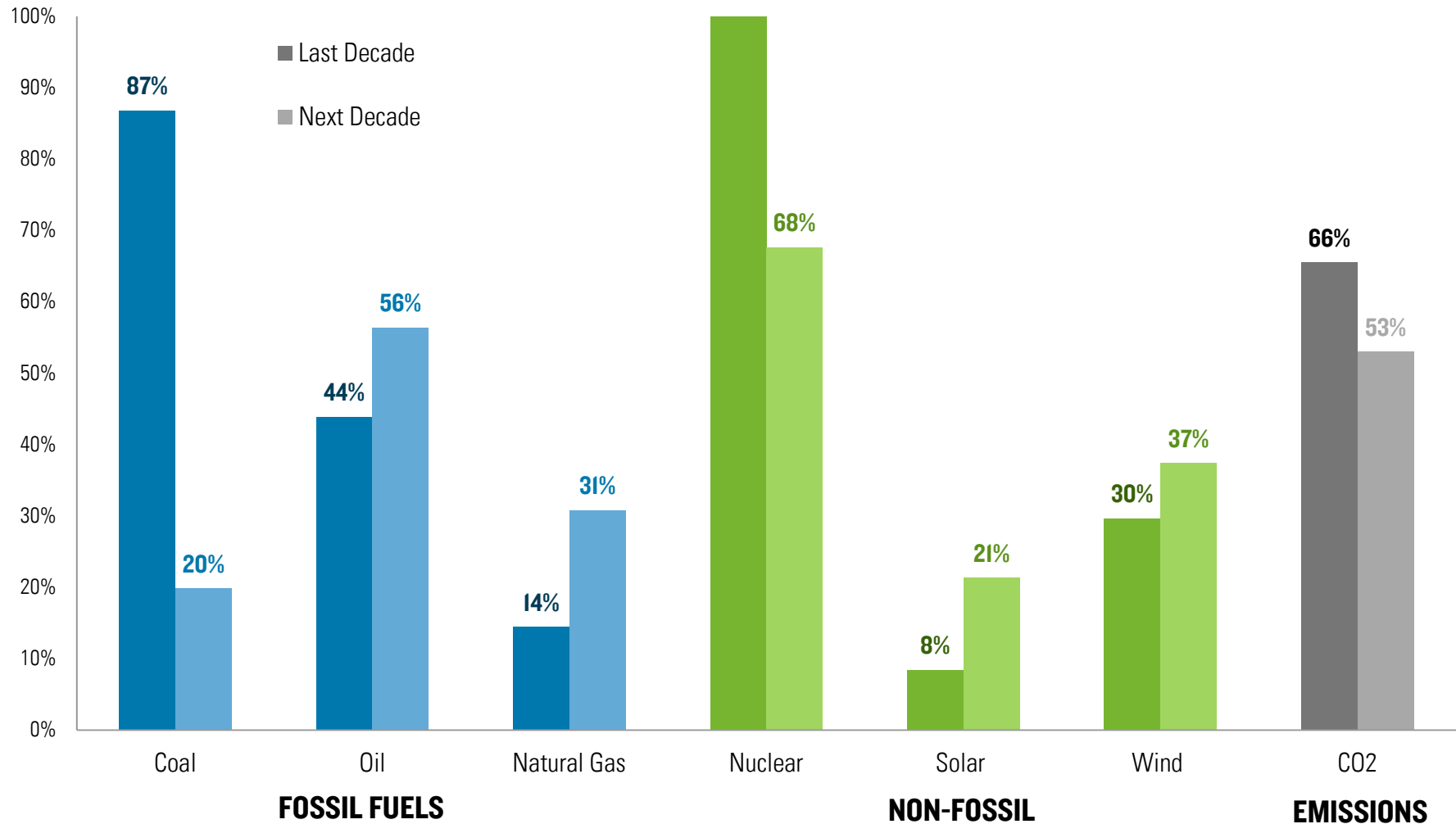
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Why Good Chinese Energy Statistics Matter for Energy Markets

Share of Global Demand Growth



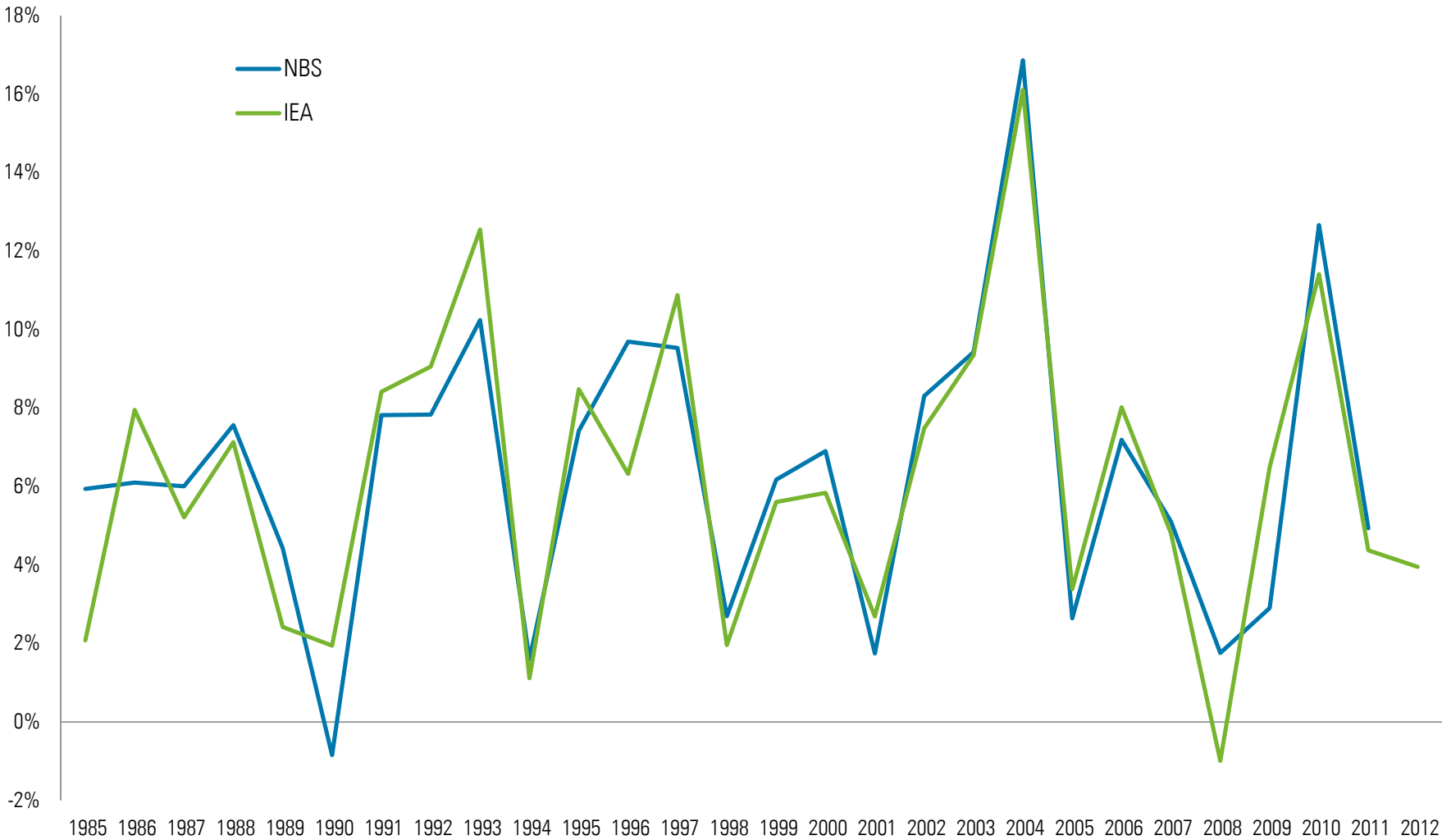
Source: Historical data is 2002-2012 from BP Statistical Review. Projections are from the IEA's 2012 World Energy Outlook "New Policies Scenario"

Chinese Statistics 101

- A wealth of statistics for a developing country
- Statistical system was born in a planned economy
- Overly dependent on self-reporting from state-owned enterprises
- Overweight production, underweight consumption
- Overweight state sector, underweight private sector
- China's global integration limits uncertainty
- Business organizations and independent providers are increasingly important statistical sources

The Annual Data Isn't so Bad

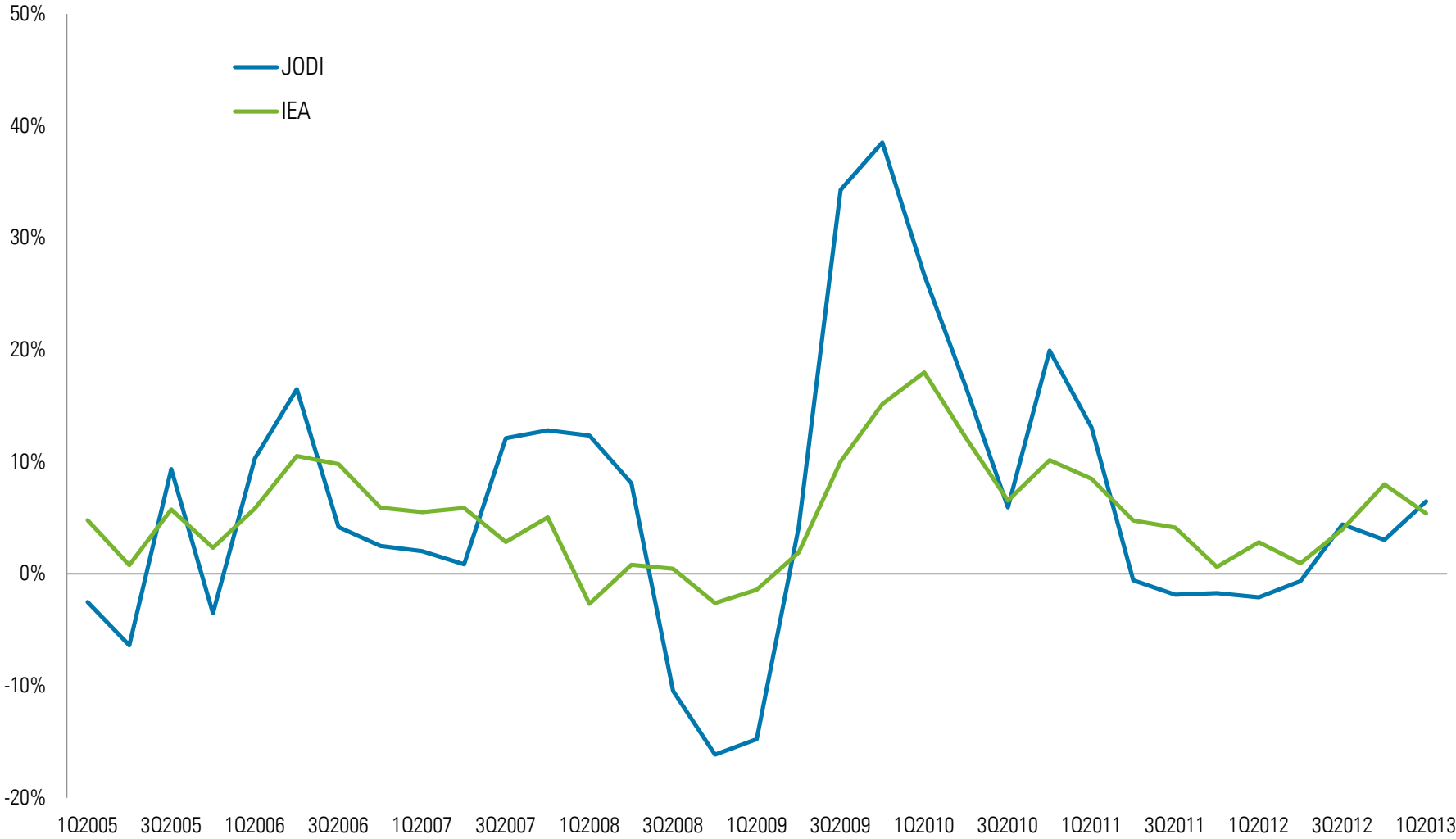
YoY Oil Demand Growth



Source: NBS and IEA

The High-Frequency Data is More Problematic

YoY Oil Demand Growth



Source: IEA and JODI

Good Chinese Energy Statistics Matter for Other Reasons Too

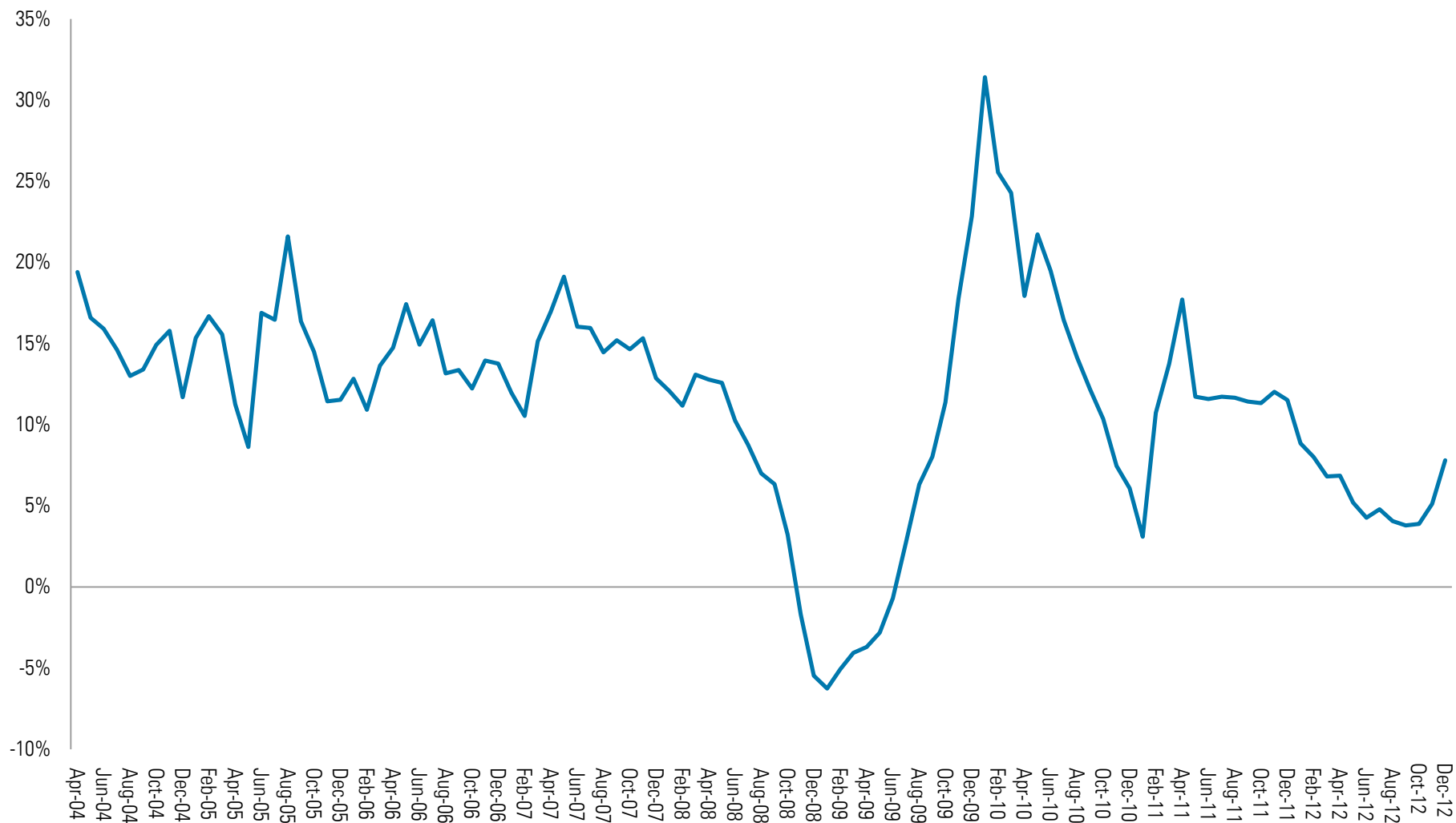
YoY Growth



Source: NBS and IEA

A Hard Landing?

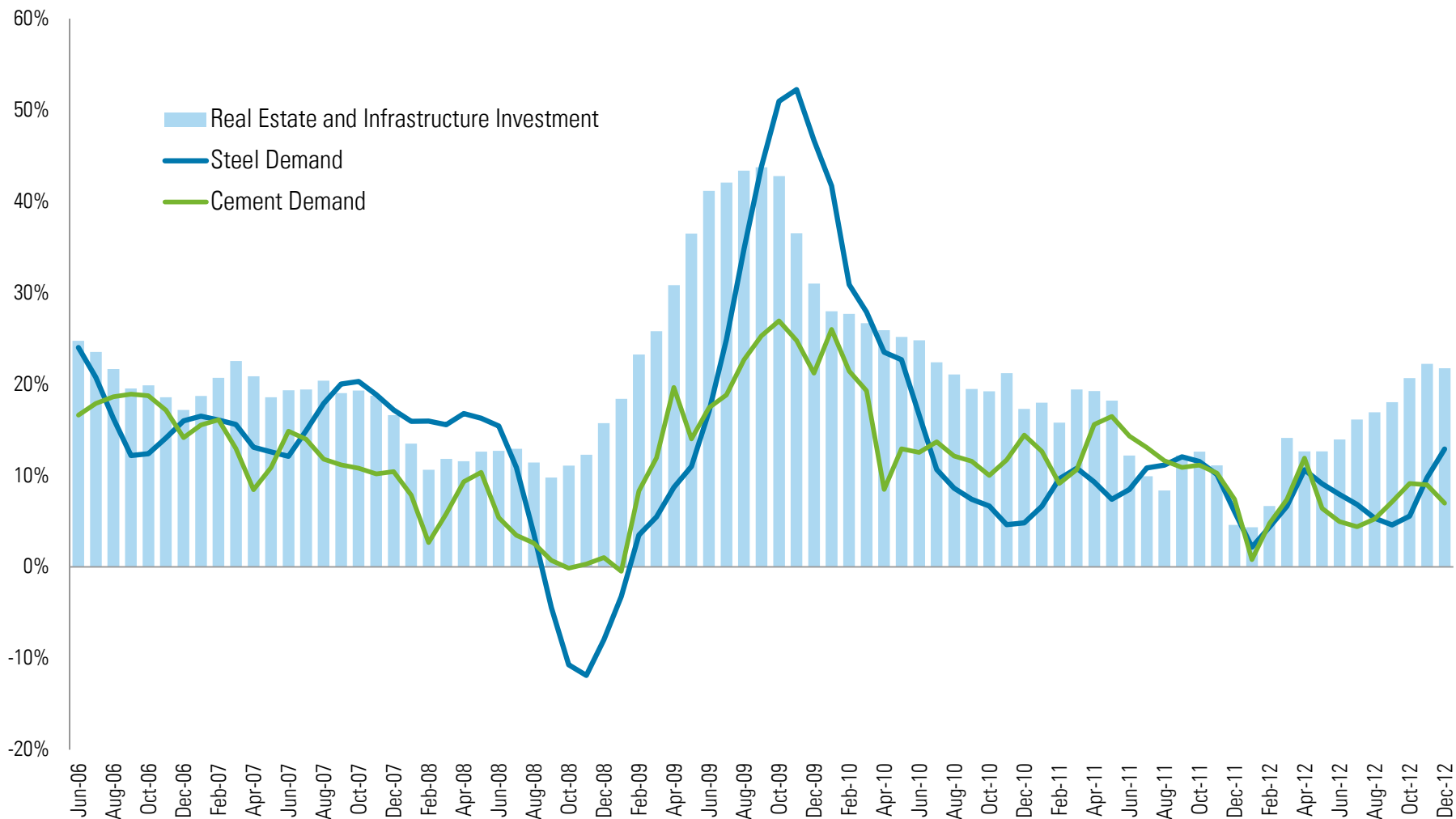
YoY growth in power demand, 3mma



Source: CEIC and RHG estimates.

Construction Drives Basic Materials Demand

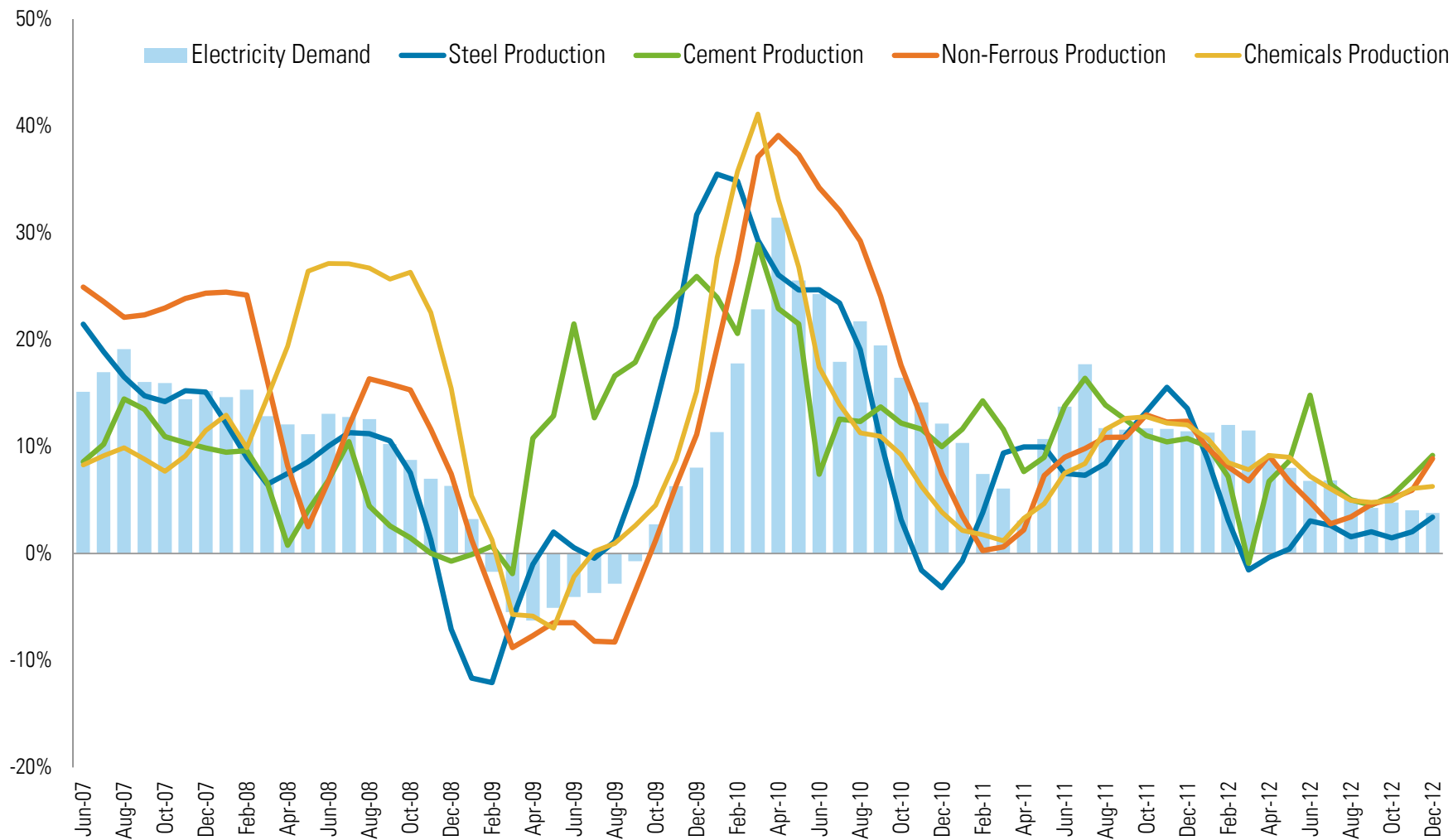
YoY Growth, 3mma



Source: CEIC and RHG estimates.

Basic Materials Drives Electricity Demand

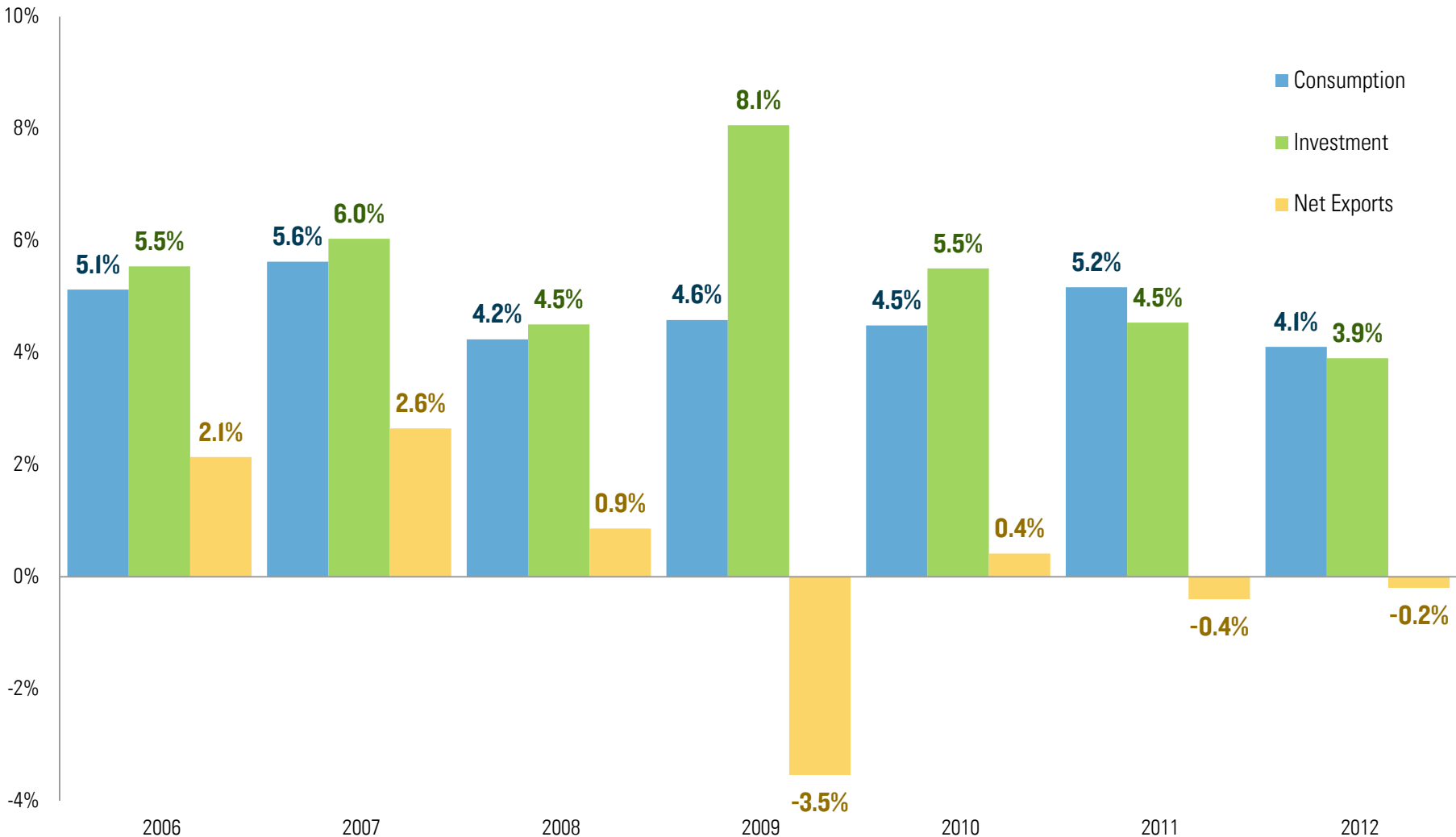
YoY Growth, 3mma



Source: CEIC and RHG estimates.

The Structure of the Economy is Changing...

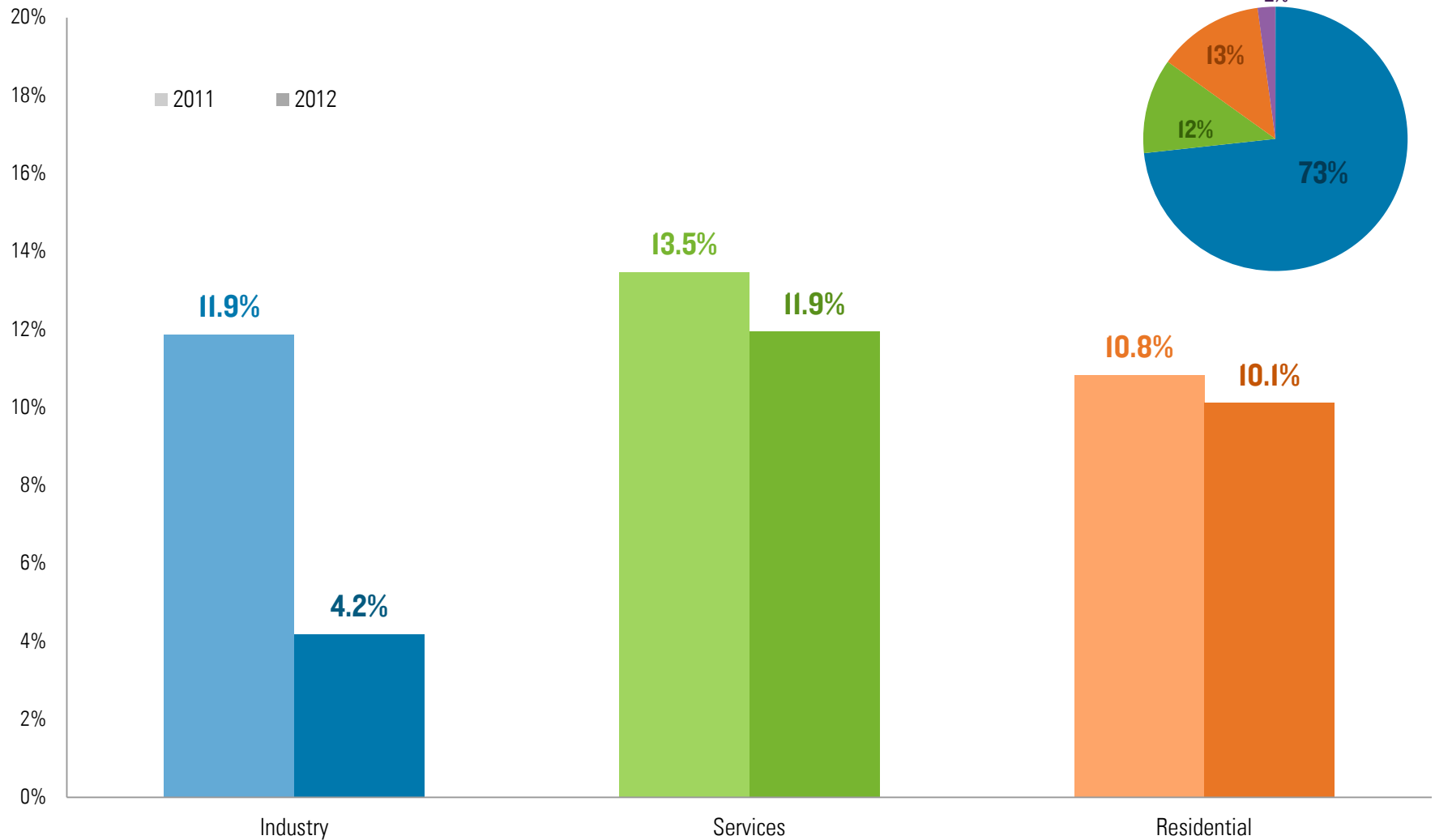
Contribution to GDP growth by expenditure



Source: CEIC and RHG estimates.

...and is Reflected in the Power Data

Demand growth yoy, 2012 vs. 2011



Source: NBS, CEIC, RHG.



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